

**Common CGP
Application/EPSC Plan
Preparation Challenges**

*The most creative minds
have been known to
survive bad training –
Anna Freud*

The Checklist

- The checklist is a tool: no more, no less
- If you have a Plan, do you have a bicycle?
- The checklist is for the Plan designer

Location Map

- Don't forget the location map!
- Property lines

Existing Conditions Site Plan

- “Swales”, “drainageways” should be included
- Vegetative cover – “grass” “trees” “gravel”
- Erodibility Factors are important
- Show sensitive areas on the Plan
- Make sure there’s a north arrow

Grading Plan

- Show both existing and proposed contours
- LOD must be demarcated with a continuous barrier on the Plan and in the field
- Phasing (coming up)

Grading Plan

- Identify staging areas/topsoil stockpiles etc.
- Waste areas, even if off site, have to be shown.
- If buffers are disturbed, they aren't buffers.

Grading Plan

- Buffers must be demarcated on Plan and in the field.
- Don't forget the scale

Construction Timetable

- Sequence of ESC measures
- How does each phase relate to the others?
- Phasing

EPSC Plan

- Show LOD
- Show buffers and their limits
- Provide calculations for structural measures

EPSC Plan

- Think about and show stormwater pathways – are you creating a problem?
- NO HAY BALE CHECK DAMS!
- Silt fence should run parallel with the contour

EPSC Plan

- Silt fence shouldn't be used at the end of culverts, in ditches, or in other areas of concentrated flow
- Make inspection chart consistent with the CGP
- Show inlet protection and stabilized construction entrances on the Plan

Phasing

- A project may consist of several phases.
- Plan should show each phase and when it will occur.
- Each phase will have a schedule and a sequence.

Phasing Schedule

- Disturb only one portion of the project at a time.
- Stabilized prior to disturbing soil in the next phase.
- 50 acre site might be phased so that 10 acres are cleared the first year, roads and utilities placed, temporary stabilization, buildings built, and permanent stabilization occurs.
- The next year/construction season, the second phase would begin with 10 acres of clearing, and so on.

Schedule and Sequence

- Each phase has its own schedule and sequence for the discrete construction activities associated with that phase.
- The various activities within a phase may be concurrent or sequential. The schedule simply reflects when those activities will occur.

Schedule

- The schedule identifies, for example, the expected date on which clearing will begin, the estimated duration of exposure of cleared areas, erosion risk, installation of erosion and sediment control measures, water quality risk, climactic factors, and establishment of permanent vegetation.

Phasing/Schedule/Sequence

- A carefully phased project, in conjunction with a well planned schedule and sequence, effectively limits soil exposure and thus significantly reduces erosion potential before a shovel is even put in the ground.

Narrative

- Consider where water goes prior to construction, where it will go after construction.
- Consider what types of vegetation do you have now, what will you have after construction.
- Think about the soils **PRIOR** to developing the Plan.

Narrative

- Schedule grading for up front to maximize the growing season.
- Discuss winter construction in detail.
- Discuss why Plan will work – factors considered such as soils, seed, temporary stabilization etc.

Narrative

- Confirm with NRCS that seed mix is appropriate for soils.
- Describe the inspection, maintenance and monitoring program in detail.
- On-Site Plan Coordinator should be familiar with CGP and EPSC.

Winter EPSC Plans

- Go beyond “seed with oats”
- Strive to minimize earth disturbance
- Limit construction to the bare minimum

Winter EPSC Plans

- Show SPECIFICALLY what areas are being proposed for winter construction.
- Show LOD for all areas.
- Develop an accurate schedule.

Winter EPSC Plans

- Consider January thaw, March melts.
- Consider frozen ground limitations.
- Consider the unconventional.